

1/16

NF- κ B

FIG. 1 (a)

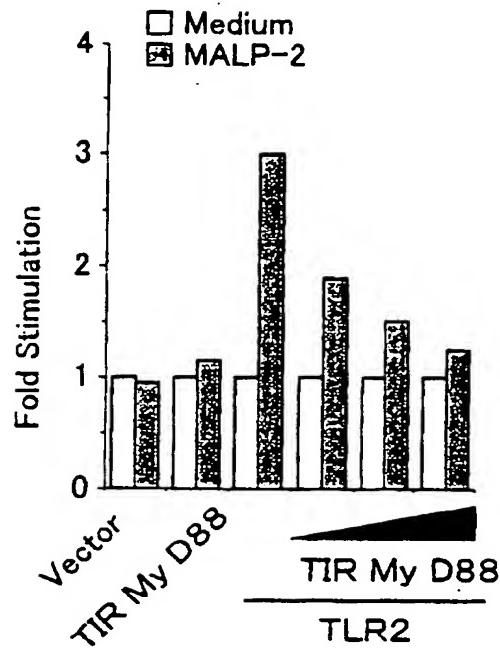


FIG. 1 (b)

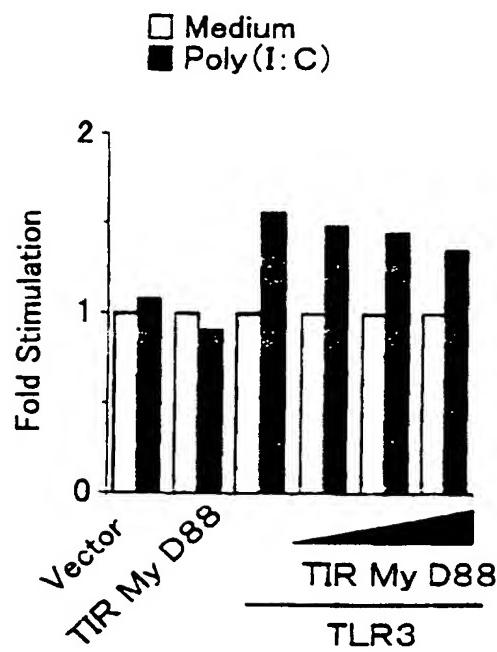


FIG. 1 (c)

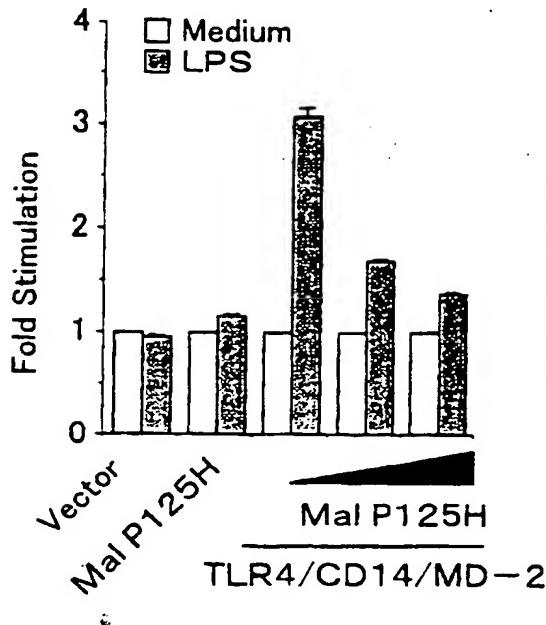
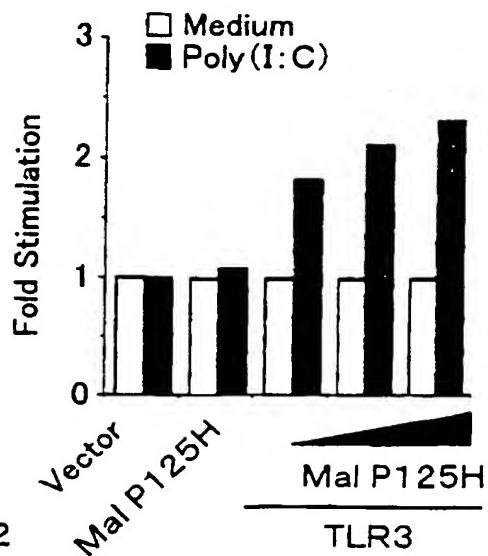


FIG. 1 (d)



2/16

Interferon β

FIG. 2 (a)

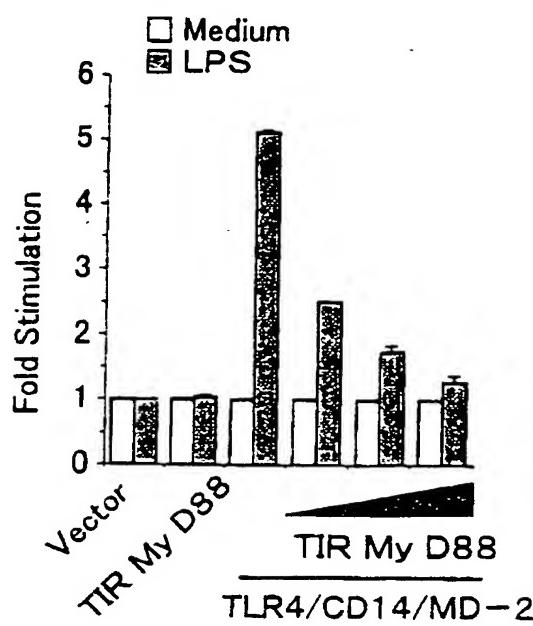


FIG. 2 (b)

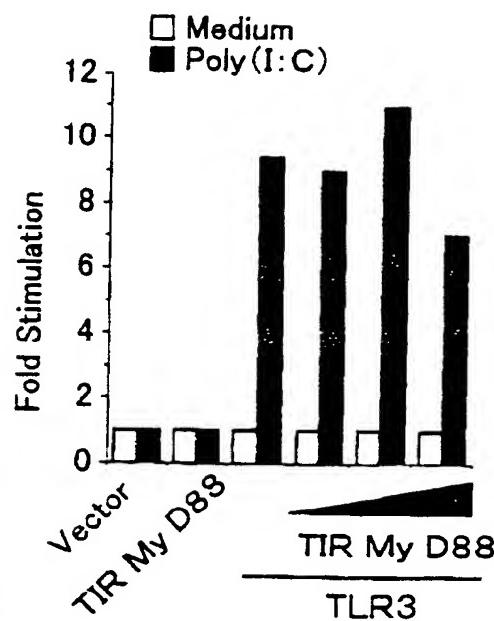


FIG. 2 (c)

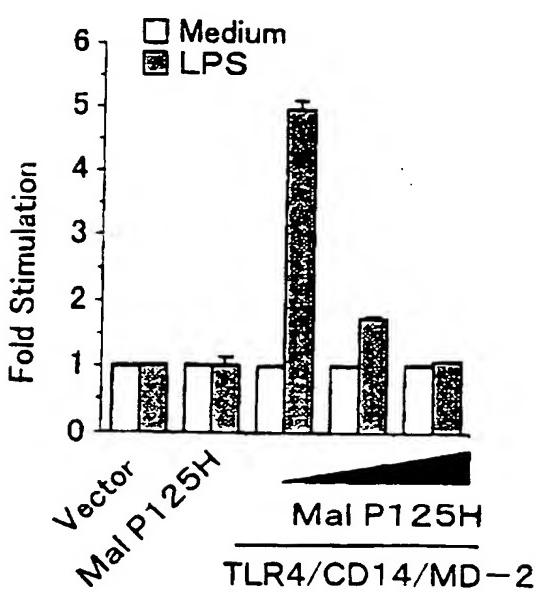
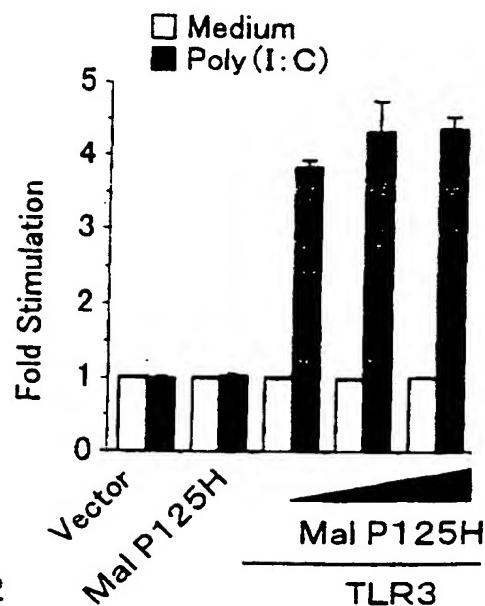


FIG. 2 (d)



3/16

FIG. 3 (a)

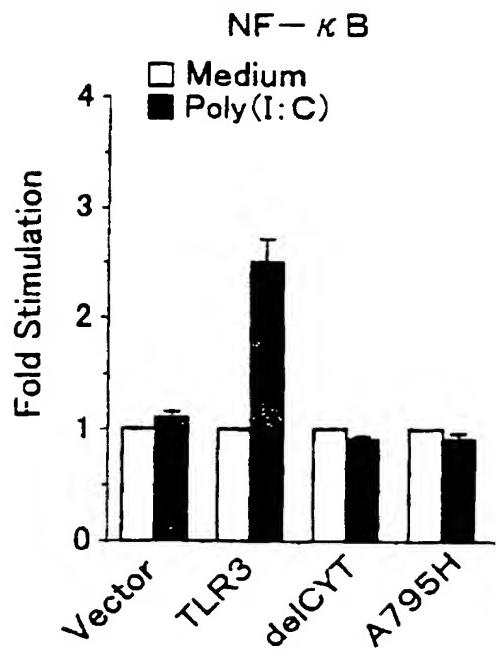


FIG. 3 (b)

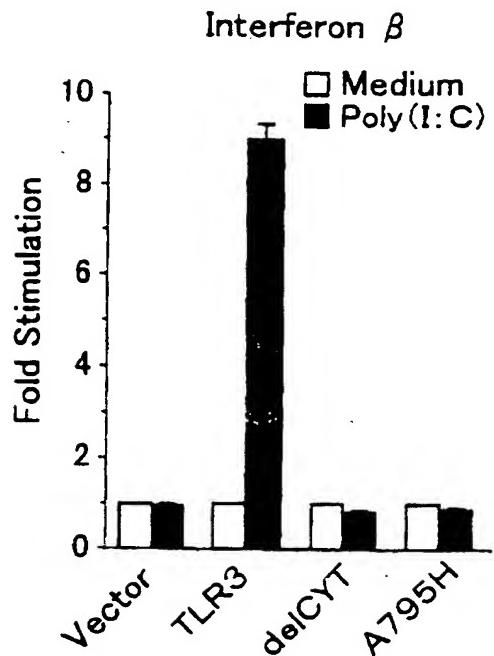
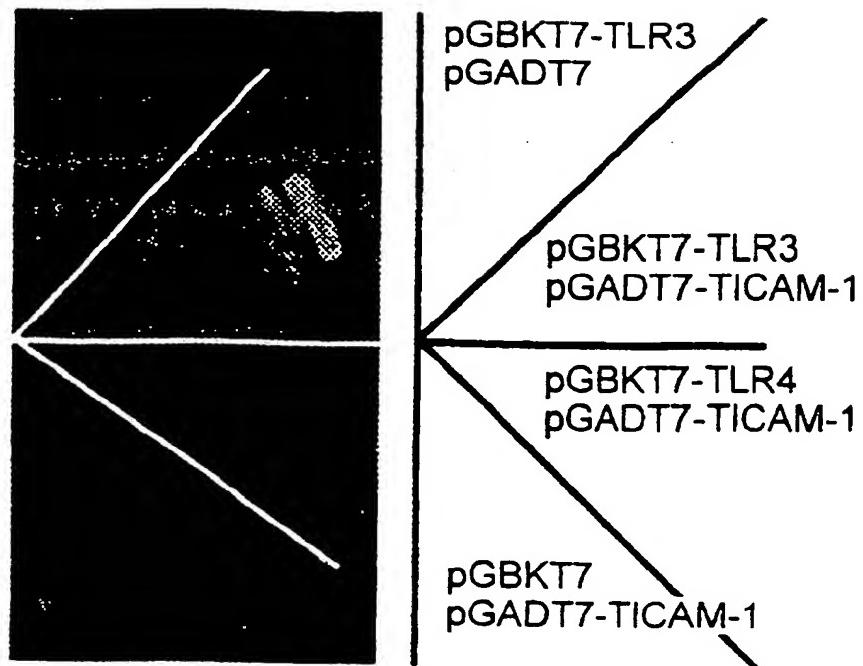


FIG. 4

SD-Trp-Leu-His-Ade plate



4/16

FIG. 5

TICAM-1. hu	MACTGPSLPSAFDILGAAGQDKLLYLKHKLKTPRPGCQGQDLLHAMVLLKGQELEARIS
TICAM-1. mu	MDNPGPSLRGAFGILGALERDRRLTHLKHKLGSLCSGSQESKLLHAMVLLALGQDTEARVS * . ***** . **. **** : * : * : ***** : . *. * . ***** *** : *** : *
TICAM-1. hu	LEALKADAVARLVARQWAGVDSTEDPEEPPDVSHAVARLYHLLAEEKLCPASLRDVAYQE
TICAM-1. mu	LESLKMNNTVAQLVAHQWADMETTEGPEEPPDLWTVARLYHLLAENLCPASTRDWAYQV *** : *** : *** : ***. : : **. ***** : **. ***** : *** : *** : ***
TICAM-1. hu	AVRTLSSRDDHRLGELQDEARNRCGWDIAGDPGSIRTLQSNLGCPLPPSALPSGTRSLPR
TICAM-1. mu	ALRDFASQGDHOLGQLQNEAWDRCSSDIKGDPSGFQPLHSHQGSLOPPSASPATRSQLPR *: * : * . ** : ** : ** : **. ** *** . : : * : * . * . ** : *** ***
TICAM-1. hu	PIDGVSDWSQGQSLRSTGSPASLASNLISQSPTMPFLSLHRSPHGPSKLCDDPOASLVP
TICAM-1. mu	PID-TPDWSWGHHTLHSTNSTASLASHLEISQSPTLAFLSSHGTHGPSKLCNTPLDTQEP *** . *** * : * : **. * . ***** : ***** : *** * : . ***** : * : *
TICAM-1. hu	EPVPGGCQEPEEMSWPPSGEIASPPELPSSPPPGLPEVAPDATSTGLPDTPAAPETSTNY
TICAM-1. mu	QLVPEGCQEPEEISWPPSVETSVSLGLP--HEISVPEVSPEEASPILPDALAAPDTSVHC : ** ***** : ***** * : . ** . : *** : * : . * . *** : *** : **. :
TICAM-1. hu	PVECTEGSAGPQLPLPILEPVKNPCSVKDQTPLQLSVEDTTSNFTKPCPPTTTPETSP
TICAM-1. mu	PIECTELSTNSRSPLTSTTESVGKQWPITSQRSPQVPGDOSLQNTTSSPPAQPPSLQA *:***** * . : * . * . : . * . * . * . * . * . * . * . * . . .
TIR	
TICAM-1. hu	PPPPPPP---SSTPCSAHLTPSSLFPSSLESSS-EQKFYNFVILHARADEVIALRVREK
TICAM-1. mu	SPKLPPSPLSSASSPSSYPAPPTSTSPVLDHSETSDQKFYNFVVIHARADEVQUALIREK . * *. : : * . * . * . : : ***** : ***** : *** : ***
TICAM-1. hu	LEALGVPDGATFCEDFQVPGRGELSCLODAIDHSIFILLLTSNFDCTRLSLHQVNQAMMS
TICAM-1. mu	LETLGVPDGATFCEEFQVPGRGELHCLODAIDHSGFTILLTASFDCSLSLHQINHALMN *** : ***** : ***** : ***** : * . ***** : *** : ***** : *** : ***
TICAM-1. hu	NLTROQSPDCVIPFLPLESSPAQLSSDTASLLSGLVRLEHSQIFARKVANTFKPHRLQA
TICAM-1. mu	SLTQSGRQDCVIPLLPLECSQAQLSPDTTRLLHSIVWLDEHSPIFARKVANTFKTQKQA . *** : * . ***** : ****. * . ****. ** : ** . : * . *** : ***** : ***** : ***
TICAM-1. hu	RKAMWRKEQDTRALREQSQHLDGERMQAALNAAYSAYLQSLSYQAQMEQLQVAFGSHM
TICAM-1. mu	QRVRWKKAQEARTLKEQSIOLEAERQVAAISAAYTAYVHSYRAWQAEMNKLGVAFGKNL . : . * : * . : * . : *** : * . : *** : *** : *** : *** : *** : *** : ***
TICAM-1. hu	SFGTGAPYGARNPFGGQVPLGAPPFPTWPGCPQPPPLHAWQAGTPPPSPQPAAFPOS-
TICAM-1. mu	SLGTPTPSWPGCPQP--IPSHPQGGTPVFPYSPQPPSFQPPCFQPPSFQPPSFPLPP *:*** : * . * . : * . * . : * . : *** : **. ***. : *** .
TICAM-1. hu	LPFPQSPAFTASPAPPQSPGLQPLIHHAQMVOLGLNNHMWNQRGSOAPEDKTQEAE--
TICAM-1. mu	VSSPQSQSFPSASSPAPQTPGPQPLIHHAQMVOLGVNNHMWGHTGAQSSDOKTECSENP . : *** : *** : . : *** : *** : *** : *** : *** : *** : *** : *** : ***
TICAM-1. hu	-----
TICAM-1. mu	CMGPLTDQGEPLLETPG

FIG. 6

Protein	Accession	Sequence	Sequence with Domains	Start	End	Start	End	Start	End
TICAM-1 (TIR)	.hu	FYNFVILHARADEHIALRVREKLEALGVPDGATFCEDFQVPGRRGELSCLQDAIDHSAFI-	BOX2 FYNFVILHARADEHIALRVREKLEALGVPDGATFCEDFQVPGRRGELSCLQDAIDHSAFI-	1	10				
TICAM-1 (TIR)	.mu	FYNFVVIHARADEQVALRIREKLETLGVPDGATFCEEFFQVPGRRGELHCLQDAIDHSGFT-	FYNFVVIHARADEQVALRIREKLETLGVPDGATFCEEFFQVPGRRGELHCLQDAIDHSGFT-	11	20				
Mal (TIR)	.hu	DYDVCVCHSEEDLVAAQDLVSYLEGSTASLRCFQLQLRDATPGGAIVSELCOALSSSHCR-	DYDVCVCHSEEDLVAAQDLVSYLEGSTASLRCFQLQLRDATPGGAIVSELCOALSSSHCR-	21	30				
MyD88 (TIR)	.hu	RFDAFIYCPSDIQFVQEMIROLEQTNYRLKLCVSDRDVLPG-TCWWSIASELIEKRCRR	RFDAFIYCPSDIQFVQEMIROLEQTNYRLKLCVSDRDVLPG-TCWWSIASELIEKRCRR	31	40	**	**	**	**
TICAM-1 (TIR)	.hu	-ILLLTSNFDCCRLSLHQVNQAMMSNLTRQGSPDCVIPLPLESSPAQLSSDTASLLSGLV	-ILLLTASFDCCSLSLHQINHALMNSLTQSGRQDCVIPLLPLECSQAQLSPDTRLLHSIV	41	50				
TICAM-1 (TIR)	.mu	-ILLLTASFDCCSLSLHQINHALMNSLTQSGRQDCVIPLLPLECSQAQLSPDTRLLHSIV	-VLLITPGFLQDPWCKYQMLQALTEAP--GAEGCTIPLLSGLSRAAYPPELRFMYYVDGR	51	60				
Mal (TIR)	.hu	-VLLITPGFLQDPWCKYQMLQALTEAP--GAEGCTIPLLSGLSRAAYPPELRFMYYVDGR	MVVVVSDDYLQSKECDFQTKFALSLSPG-AHQKRЛИКУАМКKEFPSILRFITVCDYT	61	70				
MyD88 (TIR)	.hu	MVVVVSDDYLQSKECDFQTKFALSLSPG-AHQKRЛИКУАМКKEFPSILRFITVCDYT		71	80				
TICAM-1 (TIR)	.hu	RLDEHSQIFARKVANTFKPHR---	BOX3 RLDEHSQIFARKVANTFKPHR---	81	90				
TICAM-1 (TIR)	.mu	WLDEHSPIFARKVANTFKTQK---	WLDEHSPIFARKVANTFKTQK---	91	100				
Mal (TIR)	.hu	GPDGGFFRQVKEARVHRC---	GPDGGFFRQVKEARVHRC---	101	110				
MyD88 (TIR)	.hu	NPCTKSWFWTRLAKALSLP---	NPCTKSWFWTRLAKALSLP---	111	120				

6/16

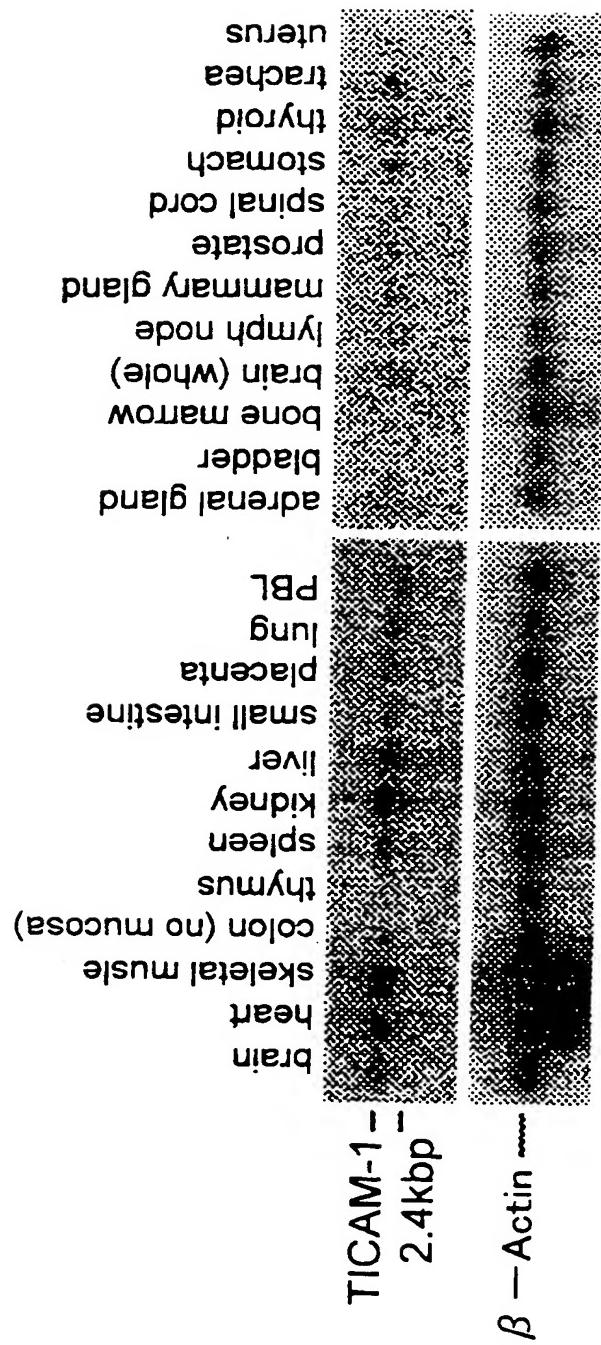
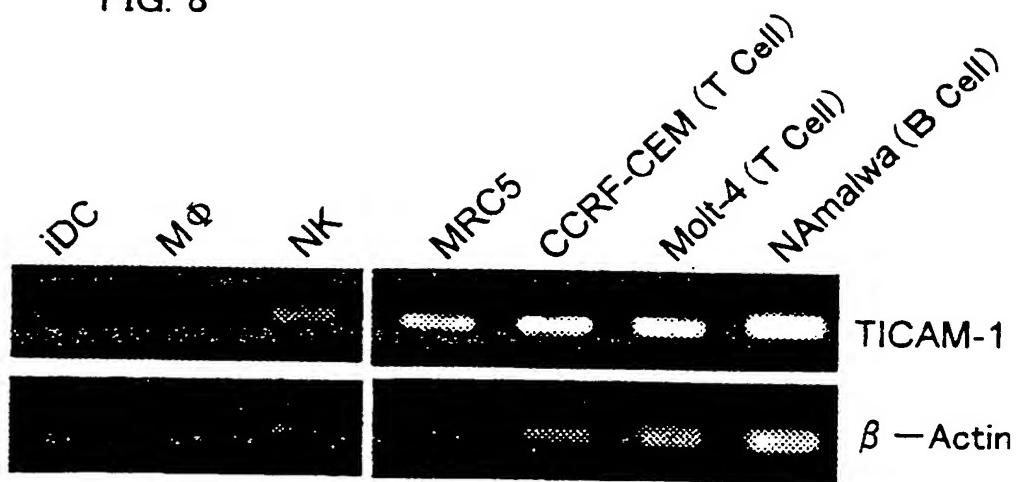


FIG. 7

7/16

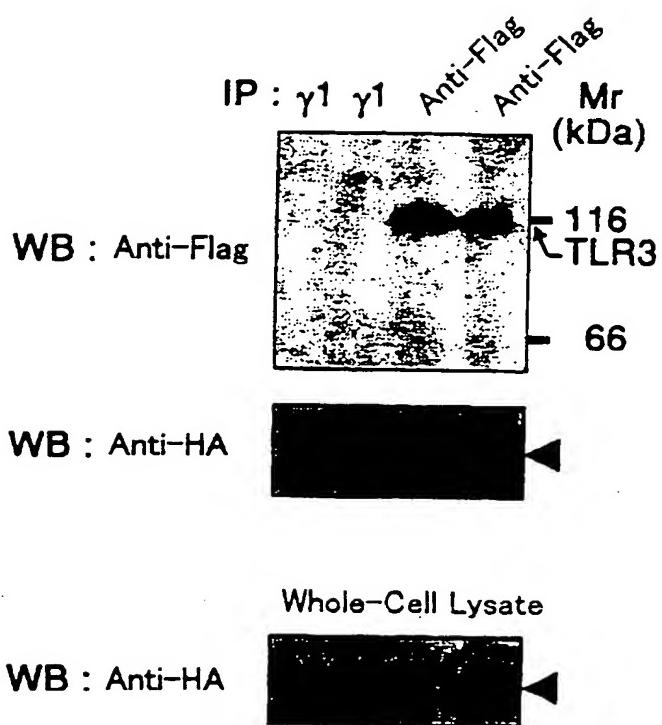
FIG. 8



8/16

FIG. 9

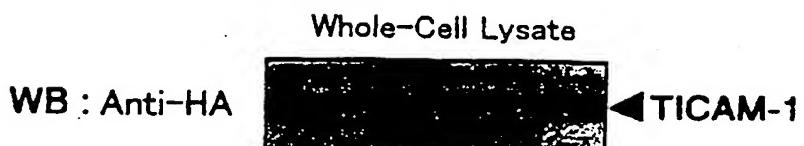
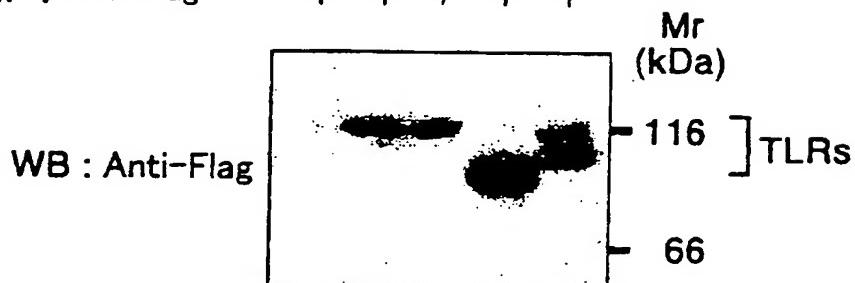
Lanes	1	2	3	4
TLR3-Flag	+	+	+	+
TICAM-1-HA	+	+	+	+
poly(I:C)	-	+	-	+



9/16

FIG. 10

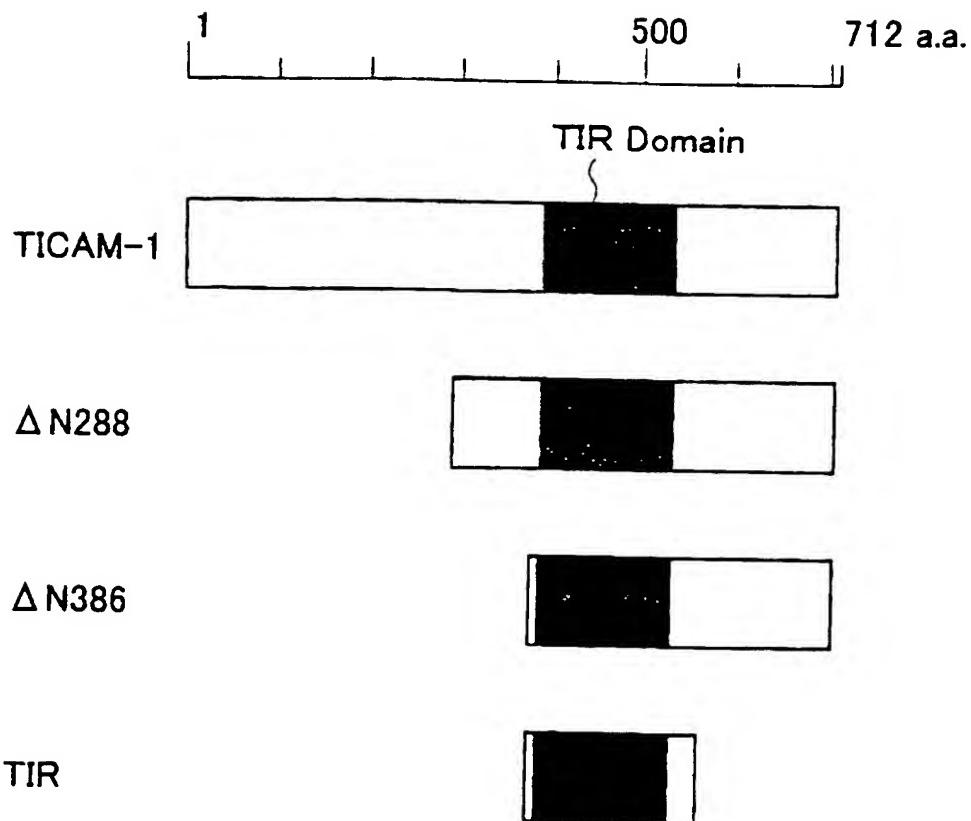
Lanes	1	2	3	4	5
TLR3-Flag	-	+	-	-	-
TLR3A795H-Flag	-	-	+	-	-
Flag-TLR2	-	-	-	+	-
Flag-TLR4	-	-	-	-	+
MD-2	-	-	-	-	+
TICAM-1-HA	+	+	+	+	+
IP : Anti-Flag	+	+	+	+	+



10/536802

10/16

FIG. 11



11/16

FIG. 12 (a)

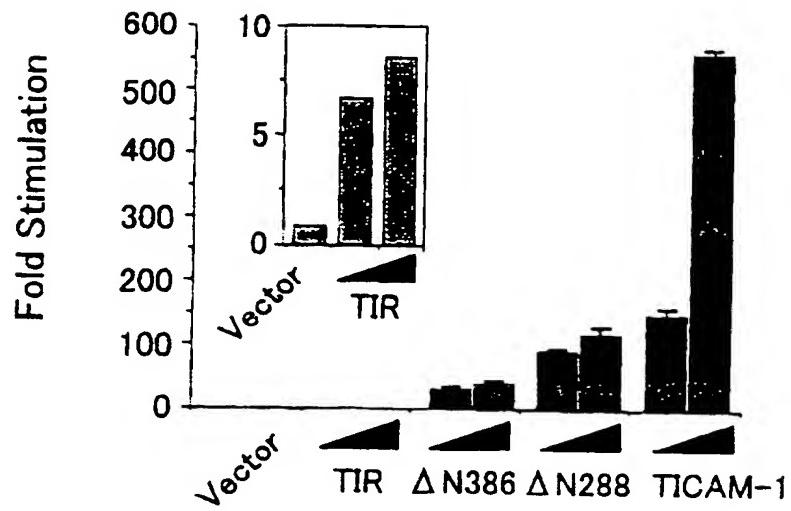
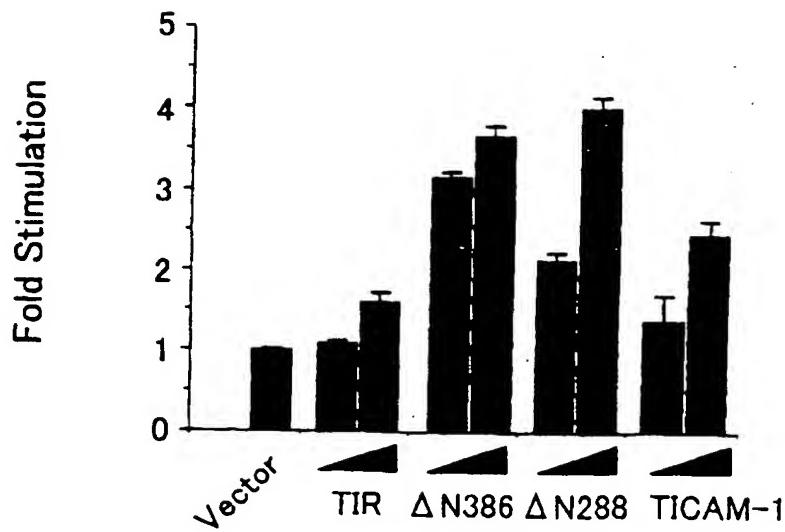
Interferon β 

FIG. 12 (b)

NF- κ B

12/16

FIG. 13 (a)

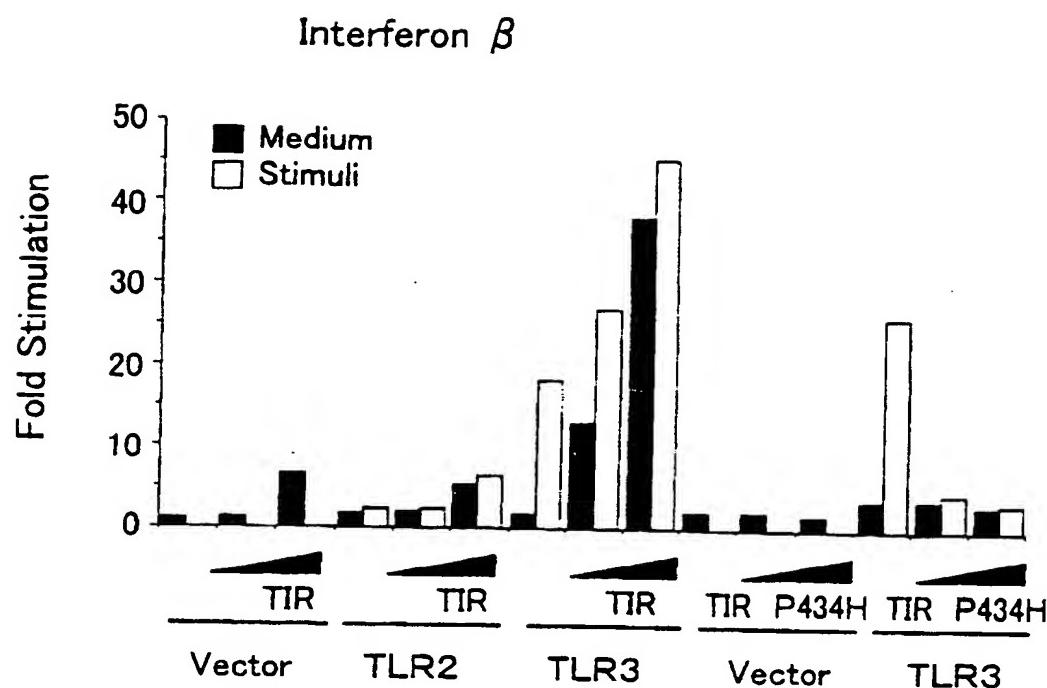
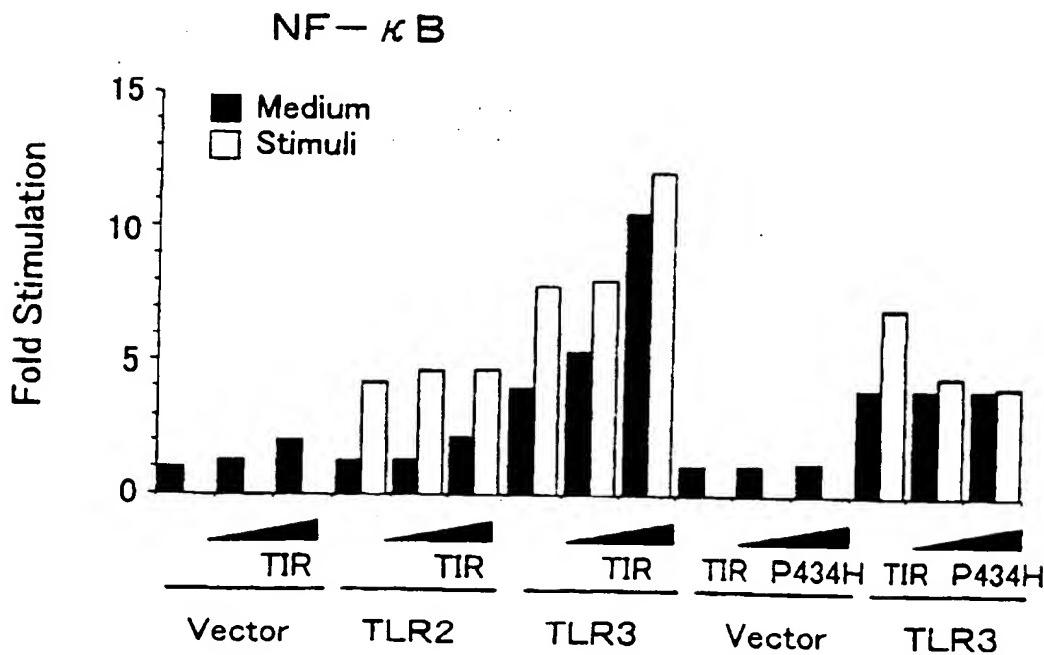


FIG. 13 (b)



13/16

FIG. 14 (a)

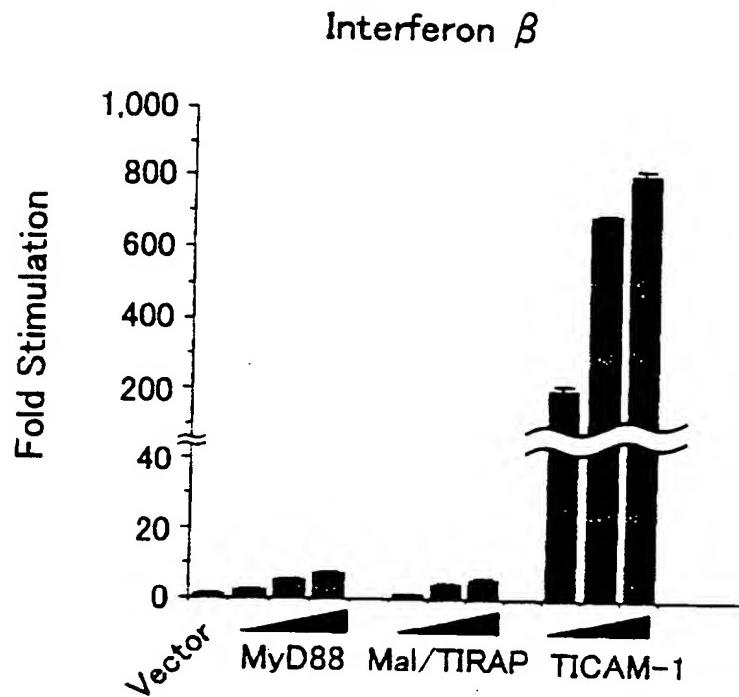
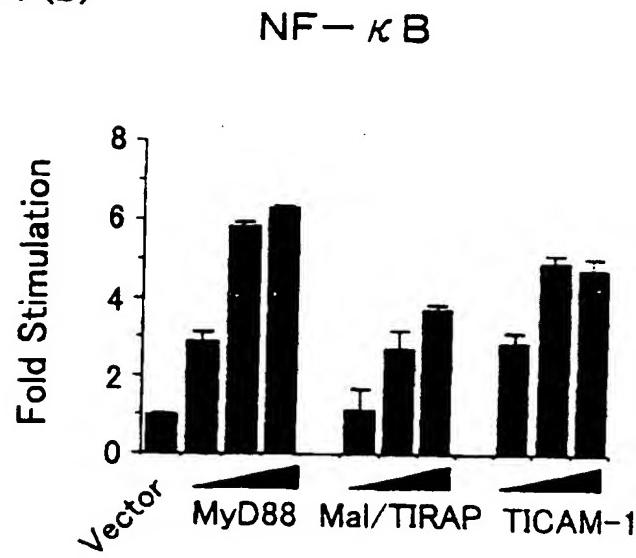


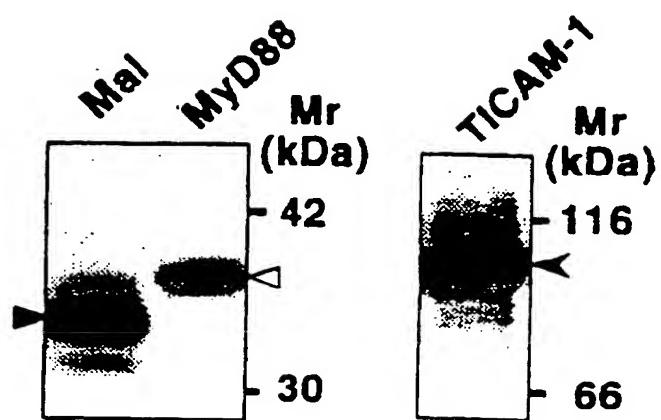
FIG. 14 (b)



10/536802

14/16

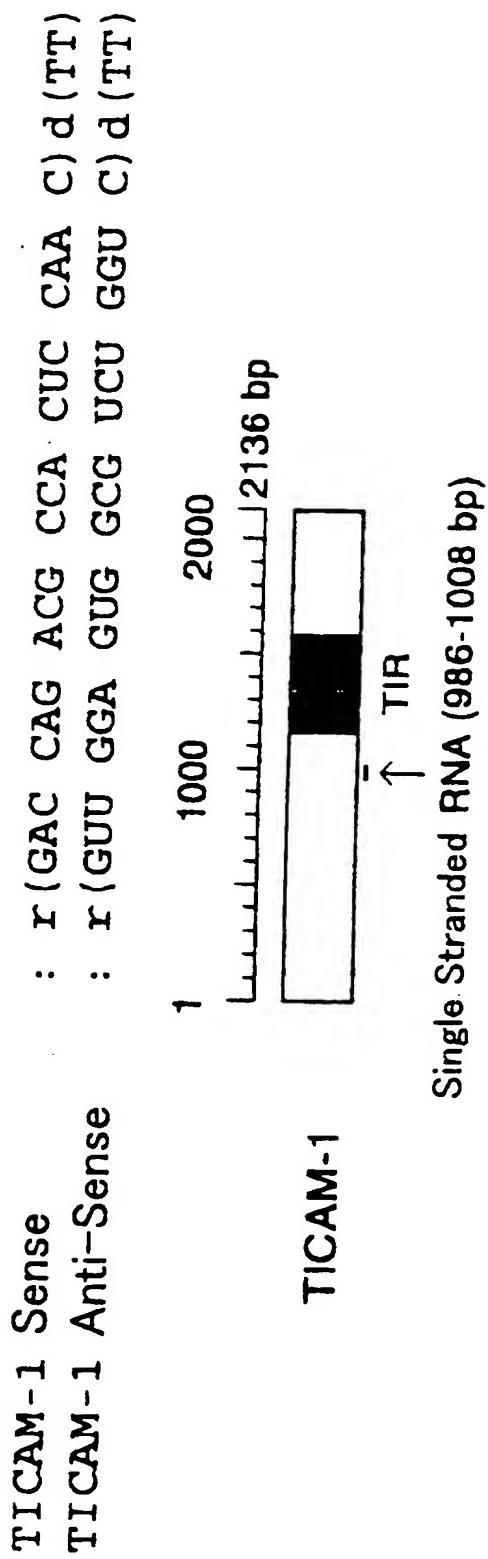
FIG. 15



WB : Anti-HA

15/16

FIG. 16



16/16

FIG. 17 (a)

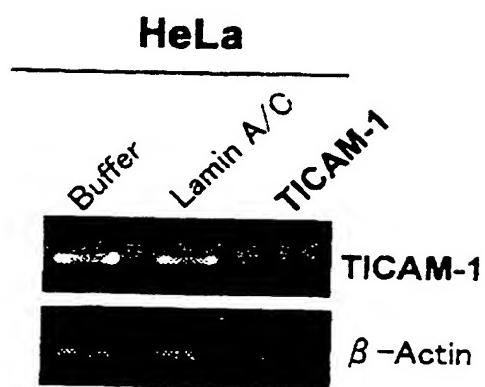


FIG. 17 (b)

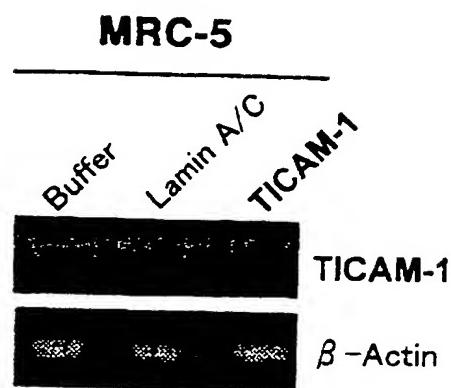


FIG. 18 (a)

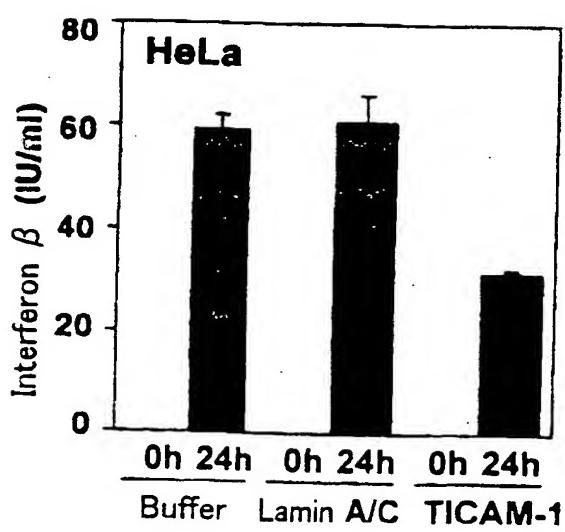


FIG. 18 (b)

